



FACULTY PROFILE



Personal Details

Name: Dr. Madhuri Dinesh Gabhane

Designation: Head of Department & Assistant Professor

Department: Information Technology

Institution: Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai

Email: madhurigabhane@kbpcollegevashi.edu.in

Experience: 20 Years

Specialization: Computer Science, Data Science, Machine Learning, DBMS

Academic Qualifications

- Ph.D. in Computer Science
- M.Phil. in Computer Science
- M.Sc. in Computer Science
- M.C.A.
- PGDCS & A

Books Published

1. Database Management System – ISBN: 978-93-5273-452-8
2. Descriptive Statistics and Introduction to Probability – ISBN: 978-93-5273-495-5
3. Computer Oriented Statistical Techniques – ISBN: 978-93-5273-953-0
4. Web Services – ISBN: 978-93-89251-68-5
5. Linux Server Administration – ISBN: 978-93-89366-54-9
6. Research Methodology – ISBN: 978-93-89926-14-9
7. Data Science – ISBN: 978-93-89460-78-08.
8. Artificial Intelligence in Decision Making- ISBN-10 : 9371837969
ISBN-13 : 978-9371837965



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Research Publications (Scopus / UGC CARE)

- Churn Prediction in Telecommunication Business using CNN and ANN – Journal of Positive School Psychology (2022)
- BW-XGBoost-NN: A Novel Customer Churn Prediction Framework – Journal of Pharmaceutical Negative Results (2022)
- Rideshare Transportation Fare Prediction using Deep Neural Networks – IEEE ICDDT 2023

Research Projects Completed

- Image Retrieval Using Genetic Algorithm Based on Multi Feature Similarity Score Fusion (2015)
- E-banking Risk Perception and Demographic Analysis (2016)
- Machine Learning Models for Customer Churn Prediction Using Big Data (2021–22)

FDPs / Conferences / Workshops

- Participated in 30+ National, State, and International Conferences, FDPs, and Workshops
- Attended FDPs at IIT Bombay, VIT Chennai, University of Mumbai, IIT Hyderabad, IIRS Dehradun

Academic & Administrative Responsibilities

- Head, Department of Information Technology
- Chairman, Board of Studies (IT)
- Member, Academic Council
- Organizer & Coordinator of Conferences, Workshops, FDPs, and IT Tech Fests

Memberships

- Life Member – Association of All Computer Science Teachers